



## SEQUENCE LISTING

110: Li, Zhenya  
WEI, Ming-Hui  
KETCHUM, Karen A.  
BEASLEY, Ellen M.

1120: ISOLATED HUMAN TRANSPORTER PROTEINS,  
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
AND USES THEREOF

1130: C14000651

1140: US 09/727,770

1141: 2000-12-04

1150: US 60/208,836

1151: 2000-06-02

1160: 2

1170: FastSEQ for Windows Version 4.0

1180: 1

1181: 833

1182: DNA

1183: HUMAN

1400: 1

tcacagaaca	tgtccaacaa	cagccccag	tatgctttgg	ttttcaccat	cteggggtgt	60
atggccacca	tggtctccag	tgccctgggt	gctgcctgtg	gcattggcaa	gaatggcacc	120
agcaatctgg	ccatgtctgt	catgtggcca	gagctgaccc	acatgaagtc	cateatccca	180
gggttcattg	ctgggtatcat	caccatctat	ggcctagtgg	cggtctgccc	ccctggcaac	240
tcccgaatg	atganaacag	tctctatagc	agtttccctc	agctgggggc	tggcctgagt	300
gucctggcag	cgggctttgc	catgttcctc	gtggggggaca	ctggcaagtg	tggactgccc	360
cagcggcccc	gactatttgt	aggcattgata	ctgaccccca	tctttgcaaa	ggtgctcatt	420
ttctccacaa	agcagccccct	ctcaaaaccc	accagtcaca	gaatacgatg	taaagaccac	480
ccctctccat	tccggaacaa	acagccctgac	agccatgtgc	tgggcagctg	gccttcagta	540
gtgctcttcc	taagtgtaca	gtgtccctgt	gttcctgtgc	tgttgccacg	gctttgcccc	600
ctccggcccc	atgctgttga	catctgaacc	taa			633

1410: 2

1411: 206

1412: PRT

1413: HUMAN

1400: 2

Met	Ser	Asn	Asn	Ser	Pro	Glu	Tyr	Ala	Leu	Val	Phe	Thr	Ile	Ser	Gly
1									10					15	
Ala	Met	Ala	Thr	Met	Val	Ser	Ser	Gly	Leu	Gly	Ala	Ala	Cys	Gly	Met
									25					30	
Ala	Lys	Asn	Gly	Thr	Gly	Ile	Met	Ala	Met	Ser	Val	Met	Trp	Pro	Glu
Leu	Ile	His	Met	Lys	Ser	Ile	Ile	Pro	Val	Val	Met	Ala	Gly	Ile	Ile
Thr	Ile	Tyr	Gly	Leu	Val	Ala	Ala	Val	Ile	Pro	Ala	Asn	Ser	Leu	Asn

RECEIVED

MAY 28 2002

RECEIVED

65	70	75	80
Asp Asp Asn Ser Leu Tyr Ser Ser Phe Leu Gln Leu Gly Ala Gly Leu			
	85	90	95
Ser Gly Leu Ala Ala Gly Phe Ala Ile Val Ile Val Gly Asp Thr Gly			
100	105	110	
Lys Cys Gly Thr Ala Ala Gln Pro Arg Leu Phe Val Gly Met Ile Leu			
115	120	125	
Ile Leu Ile Phe Ala Lys Val Leu Ile Leu Ser Thr Lys Gln Pro Leu			
130	135	140	
Ser Lys Pro Thr Ser His Arg Ile Arg Cys Lys Asp His Pro Ser Ser			
145	150	155	160
Phe Arg Asn Lys Gln Pro Asp Thr His Val Leu Gly Ser Trp Pro Ser			
165	170	175	
Val Val Asp Leu Leu Ser Val Gln Cys Pro Arg Val His Arg Leu Leu			
180	185	190	
Ala Arg Pro Cys Pro Leu Pro Pro His Ala Val Asp Ile			
195	200	205	

<210> 3  
 <211> 6339  
 <212> DNA  
 <213> HUMAN

<410> 1  
 gctgtggggc caggaaaagg agagaagggtg aaacccccgt cagtcctctca caatcagcac 60  
 gtggaaatct agaaatgcag gagaggccgtg gactcatggt ggaatccaga atgaaagagg 120  
 tggacgactg aatgagcaga aggaggcaag caccagagggc ttgggggtca cattctctgg 180  
 aagtggccgtg gagctggcag atgagaactc tggctacccg tcttcattcc actaapagta 240  
 gctcctctaa cgacatgcgc ctccctctctg taacccgttc cgcctggggc aagtagttcc 300  
 cggacgggac ccttcctcct gtaccctcgt ccgcctgggg ccagtagttc ccggacgggc 360  
 ccttcctcct tgtaccgcgc tccgcctgcg gcaagttagt ccgggacggc ccccttcctc 420  
 ctgtaccggg ctccgcctgc ggaaagttag tcttcctggt ttgggtttgc atgtagatga 480  
 aaccccttga ggggtaaaagg tttttttttt aagtacttta gaaaatgcac actggttatta 540  
 tcaatattag ccagcatctt tttttttttt tttttttttt ttttgagat ggagttctgc 600  
 ccttgtcacc caggctggag tgcattggca aaattctaggc tcaatgcac ctccgcctcc 660  
 caagttcaag cgattctcct gctcagcct ccaggttagc tgggattaca gggtgtgtga 720  
 cccacaccca gctaatcttt gtatttttag tagagacagg gtttcacccat gttgggcaag 780  
 ttggtctoga actctcgacc tcatgtgac caccgcttc agctcccaa agtgcctggg 840  
 ttacgtagcc agtgtcttcc ttaagtgcct gtcataaat gctcctggtt tataagtgcc 900  
 ctggtctctc ccttcctgggt gctcagacac caacacagag agaacagaat taacatcctg 960  
 tgaagttaca tatgtataaa tataaagagt aagattgtga ggaactgca ggggaaggag 1020  
 ttaggtragg aaaaggtatc ctacatttcc tgcgtaccca ttagtctata ttcttgaatt 1080  
 ttggtctctg aaaagttcct taagcattcc aggtatctct agggagcttc cagaatggta 1140  
 taagaactgg aacatataa cctggggaag ggtgtgaagt ccttgggaaa gaagcactaa 1200  
 ccagccaggt ggagacaagg aaggactggt ctctcctgtg ctccagccc agcaatgatt 1260  
 ttccactcag atatgcctcc gcaggtcctg ctctcagacc cagtgtgtgt ccacagacca 1320  
 tgcagggtgc catctaccc ctgacaaggaa acagggcagg aggtgtggtt gcccggggtg 1380  
 cctggtgttg ggagggggc ggggaattcc ccggtgttg gaggacaagg cagagtcagg 1440  
 tagctgtgag gctaggggag aagacctctc tagtctggga gagacccctc ctttctctag 1500  
 tcttctact tcaaaaaagg caggcttctc gctgttact accataccag gaactgactat 1560  
 acagcagaca gaaatattct gagaaactg tgataagaa aaacagatgc ggaagcggga 1620  
 gaagagaatt tcataggaca ctagggaag agaattggaa cttgtgggtct aaagaaggaa 1680  
 ccaagtctgg ccaacatggt caaaccccat ctctattaca aatacaaaaa ttagctgggc 1740  
 atgtgtagtg atgctgttaa tctgtctac tcaggaggggt aaggcatgag aatcacttga 1800  
 gactgggagg cggaggttgc actgtgtga gactgaccca ctgacttca gctgtggaa 1860  
 cagagcaaga cttctctctc caaaaaaaa aaatttaatt tttaatttaa aaataataa 1920  
 cagggaacaa acaagatctt gctgtataga ataaagtctc aagcccaata actcctctgc 1980



tttctcctta	aagtgttggt	actctatctg	atagcacaat	atctcaggtt	ggatctcttt	5410
taattgagcc	ttcaaaaaaa	ctctctctct	cagcgccttt	ttctctctga	aaagagactt	5520
taattctgtt	aacccctgct	ctcacaatgt	ggaaatcaat	ttgatctttt	tattctcgtt	5580
caaacagctg	aagtactctg	ctctctctta	tccatcgctt	ctctgtgttt	gaagtggttt	5640
tatgggaatg	aagcaactgg	ggcgagaaaa	tcaggcacgt	ttctagaagta	gaagggaagg	5700
gaagaaacca	ggaaaaatat	ctatgtatg	ggaggaagg	cagtttataa	atcactcctg	5760
gatctctatg	ccagagggat	gtgtgagaca	cacgcctgca	cacacacagt	gaattgcagg	5820
tacatgcaga	ggcagaaaca	agtcaggaca	tgacacatac	atgaatacac	ataccattct	5880
catacagaaac	cagtcagagc	agaggggccc	tgccctggagc	aaggagactg	gaattttatc	5940
ccctctctct	ctcaagggtt	aattttgatg	ctccatgttc	taggttcccc	acagatctgg	6000
ctgcccaga	caggggccc	ggctctgttg	ctggactcag	ctgggaggtc	ttcacagatg	6060
gaggactata	agaggtggca	gtgacacct	ggagggagct	ggatgaaagc	aggcagtgca	6120
gagtagagaa	agccaggtgg	tgggggaggg	agtgagggag	aagaggggac	cagattcaag	6180
cagccttgcc	ctggttctaa	aatggccaca	gcaaggcaac	ggacagatgg	tcctttctg	6240
atgctgagcc	ggggaagtgg	ggaaagggaa	aaggaaaaaa	taaacacccat	cacagtcaga	6300
aatttaaaaa	taaaactgaa	aacctaaaaa	ataaacccgt			6339